

## **Region 3 GPRA Baseline RCRA Corrective Action Facility**

# **Saint Marys Refining Company (Formerly: Quaker State)**

**201 Barkwill Street  
Saint Marys, WV 26170  
Congressional District 1  
EPA ID #: WVD004337135  
Last Updated 6/13/2005**

## **Current Progress at the Site**

In April of 1997, EPA and Saint Marys Refining Company (SMRC) entered into an administrative RCRA 7003 Consent Order. Shell Lubricants retains responsibility for remedial work under the 7003 order. Fifteen Solid Waste Management Units (SWMUs) and five Areas of Concern (AOC) were identified at the facility. As part of the Order, the following interim measures are in place: (1) free phase hydrocarbon recovery from the groundwater, (2) soil vapor extraction (3) installation of offsite wells to define the benzene plume in groundwater, (4) integrity testing of various above ground storage tanks and (5) biannual ground water sampling. Saint Marys also conducted a neighborhood well survey to determine if private wells were located in the area. The door-to-door survey of houses and basements conducted in August 1997 showed that no private wells were being used in the area, and basements were not impacted by contaminated ground water from the refinery. An expanded door-to-door survey was conducted in Spring 2001 and confirmed the previous findings.

Saint Marys submitted a RCRA Facility Investigation (RFI) workplan to EPA in September 1997. The RFI was an investigation to determine the extent of soil and groundwater contamination. EPA also approved a plan to determine the extent of the off site plume in August 1999. SMRC installed two additional off site wells in summer 1999. The facility requested combining the original RFI workplan to include all sampling activities at this stage and not two phases as originally proposed. The RFI addendum was submitted in September 1999. EPA commented on the revised workplan in December 1999 and approved it in July 2000. In September 2000, the field work began.

SMRC provided preliminary soil information to EPA to support modifications made to the workplan. Additional information on the soil boring program was submitted to EPA in December 2001. More ground water wells were installed in the fall of 2002 to further define extent of hydrocarbons. The final report of findings was submitted in 2003. EPA commented on the final RFI report, and Saint Marys responded in early 2005. Quarterly reports to EPA detail results of groundwater monitoring and soil vapor extraction progress.

As shown in the Environmental Indicator Forms located on EPA's website (see Contacts below), human health exposures are under control.

## **Site Description**

The SMRC facility is a petroleum refinery designed to produce lubricating oils, waxes, gasoline, jet fuel, and other petroleum products. The facility no longer is refining, but is used for the bulk

storage of finished petroleum products. The SMRC facility is located along Route 2 in the southwestern portion of the town of St. Marys, Pleasants County, West Virginia. The facility consists of about 70 acres, and is divided into two areas: the main (northern) plant area with most of the tanks and process units, and the bluff or cliff area to the south, which is about 70 feet higher. The facility is surrounded by commercial, industrial and residential properties. The Ohio River is north of the facility.

## **Site Responsibility**

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RCRA Corrective Action activities at this facility are being conducted under the direction of EPA Region 3 with assistance from the West Virginia Division of Environmental Protection.

## **Contaminants**

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Soil, soil vapor and groundwater have been impacted by hydrocarbon contaminants. In the groundwater the primary contaminants are benzene, ethylbenzene, toluene and xylene (BTEX), total petroleum hydrocarbons and arsenic. Ground water around the site is not used, therefore there are no receptors for ground water.

## **Community Interaction**

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A public meeting to present information about the environmental investigative activities was held on September 7, 2000. The public expressed interest in the activities, and generally expressed support for the environmental investigations being conducted at the site. Saint Marys has established an information repository at the Pleasants County Library, Saint Marys, WV.

## **Institutional Controls**

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No institutional controls are currently in place.

## **Government Contacts**

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For more information about EPA's corrective action webpage, including Environmental Indicators, please visit our site at: [www.epa.gov/reg3wcmd/correctiveaction.htm](http://www.epa.gov/reg3wcmd/correctiveaction.htm)

## Facility Contacts

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